

We claim:

1. An electrical connection passing through a dividing wall, comprising a contact plate having a base piece covering a surface, and a contact piece connected to the base piece via a connecting piece, wherein the perimeter of the base piece, including the attached area of the connecting piece, is held and sealed in the dividing wall, and the contact piece has an elastically deformable area exposed for making contact with a component.
2. The electrical connection as claimed in claim 1, wherein the base piece seals an aperture formed in the dividing wall.
3. The electrical connection as claimed in claim 1, wherein the elastically deformable contact piece is formed by at least one spring tongue punched out of the contact piece.
4. The electrical connection as claimed in claim 2, wherein the elastically deformable contact piece is formed by at least one spring tongue punched out of the contact piece.
5. The electrical connection as claimed in claim 1, wherein a contact lug protrudes sealed from the dividing wall from a perimeter area of the base piece on the opposite side from the contact piece.
6. The electrical connection as claimed in claim 1, wherein the base piece and the contact piece have an approximately matching perimeter shape and are arranged one above the other by bending the connecting piece through about  $180^{\circ}$ , at least one spring tongue is punched out of the contact piece, said tongue projecting from the opposite side from the base piece, a contact lug extends from a perimeter area of the base piece, and the perimeters of the base piece and contact piece arranged above each

other are held in the edge of the aperture of the dividing wall in such a way that the at least one spring tongue is exposed on one side of the dividing wall, and the contact lug is exposed on the other side of the dividing wall.

7. The electrical connection as claimed in claim 5, wherein the dividing wall seals a chamber of a housing in which is held an electrical circuit connected to the contact lug, and the device contains a battery compartment in which is held, allowing replacement, a battery pressed elastically in position against a facing surface by the spring tongue.

8. The electrical connection as claimed in claim 6, wherein the dividing wall seals a chamber of a housing in which is held an electrical circuit connected to the contact lug, and the device contains a battery compartment in which is held, allowing replacement, a battery pressed elastically in position against a facing surface by the spring tongue.

9. An electrical connection for insertion into a dividing wall having an opening, comprising:

- a contact plate having a base piece covering said opening, and a contact piece arranged on top of said base piece and coupled with said base piece via a connecting piece, wherein said contact plate fits in said opening of said dividing wall, and the contact piece has an elastically deformable area exposed for making contact with a component.

10. The electrical connection as claimed in claim 9, wherein the base piece seals said opening.

11. The electrical connection as claimed in claim 9, wherein the elastically deformable contact piece is formed by at least one spring tongue punched out of the contact piece.

12. The electrical connection as claimed in claim 10, wherein the elastically deformable contact piece is formed by at least one spring tongue punched out of the contact piece.

13. The electrical connection as claimed in claim 9, wherein a contact lug protrudes sealed from the dividing wall from a perimeter area of the base piece on the opposite side from the contact piece.

14. The electrical connection as claimed in claim 9, wherein the base piece and the contact piece have an approximately matching perimeter shape and are arranged one above the other by bending the connecting piece through about 180°, at least one spring tongue is punched out of the contact piece, said tongue projecting from the opposite side from the base piece, a contact lug extends from a perimeter area of the base piece, and the perimeters of the base piece and contact piece arranged above each other are held in the edge of the aperture of the dividing wall in such a way that the at

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least one spring tongue is exposed on one side of the dividing wall, and the contact lug is exposed on the other side of the dividing wall.

15. The electrical connection as claimed in claim 13, wherein the dividing wall seals a chamber of a housing in which is held an electrical circuit connected to the contact lug, and the device contains a battery compartment in which is held, allowing replacement, a battery pressed elastically in position against a facing surface by the spring tongue.

16. The electrical connection as claimed in claim 14, wherein the dividing wall seals a chamber of a housing in which is held an electrical circuit connected to the contact lug, and the device contains a battery compartment in which is held, allowing replacement, a battery pressed elastically in position against a facing surface by the spring tongue.

17. A method for manufacturing an electrical connection passing through a dividing wall, comprising the following steps:

- Manufacture of a flat part punched from metal plate having a base piece and a contact piece connected to the base piece via a connecting piece, wherein the base piece and the contact piece have approximately matching perimeter shapes, and a contact lug projects from a perimeter area of the base piece,
- Punching out of at least one spring tongue from the contact piece, and bending of the spring tongue out from the contact piece,
- Bending of the contact lug out of the base piece in the same direction as the spring tongue,
- Arranging base piece and contact plate above each other by bending the connecting piece through about  $180^{\circ}$  in such a way that the spring tongue projects on one side and the contact lug on the other.
- Introduction of the plate part formed in such a way into an injection molding tool in such a way that only the perimeter edges of base piece and contact piece and the bent-over connecting piece project sealed into a die cavity corresponding to the dividing wall, wherein the bent contact lug is located in a recess of the injection molding,
- Injection molding of the dividing wall, and
- Removal of the dividing wall from the injection molding tool together with the plate part held in the dividing wall at its perimeter edges and by the connecting piece.